This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

» Adva

Try our New Full-text Search Prototype GO

Help

1) Enter a single keyword, phrase, or Boolean expression. Example: acoustic imaging (means the phrase acoustic imaging plus any stem variations)
2) Limit your search by using search operators and field codes, if desired.
Example: optical <and> (fiber <or> fibre) <in> ti
3) Limit the results by selecting Search Options.
4) Click Search. See Search Examples

```
(histogram* <near/5> differ*)
<paragraph> (scene* or shot*)
```

Start Search Clear

Note: This function returns plural and suffixed forms of the keyword(s).

Search operators: <and> <or> <not> <in> More

Field codes: au (author), ti (title), ab (abstract), jn (publication name), de (index term) More

Search Options:

Select publication types:

- [x] IEEE Journals
- [x] IEE Journals
- [x] IEEE Conference proceedings
- [x] IEE Conference proceedings
- [x] IEEE Standards

Select years to search:

From year: All to Present

Organize search results by:

Sort by: Relevance
In: Descending order

List 15 Results per page

Copyright © 2004 IEEE — All rights reserved

h eee e eee g e ch e ch

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.8

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

» Se

Welcome to IEEE Xplore®
- Home
- What Can I Access?
- Log-out

Tables of Contents
- Journals & Magazines
- Conference Proceedings
- Standards

Search
- By Author
- Basic
- Advanced
- CrossRef

Member Services
- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

IEEE Enterprise
- Access the IEEE Enterprise File Cabinet

Print Format

Your search matched **7** of **1079782** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enteri new one in the text box.

(histogram* <near/5> differ*) <paragraph> (scene* or s| Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

---

1 **Hierarchical video indexing and retrieval for subband-coded video**
Lee, J.; Dickinson, B.W.;
Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 10 , Issue: 5 , Aug. 2000
Pages:824 - 829

[Abstract] [PDF Full-Text (2168 KB)] **IEEE JNL**

---

2 **Frame difference normalization: an approach to reduce error rates o detection algorithms for MPEG videos**
Ewerth, R.; Freisleben, B.;
Image Processing, 2003. Proceedings. 2003 International Conference on , Vol 2 , 14-17 Sept. 2003
Pages:II - 1009-12 vol.3

[Abstract] [PDF Full-Text (371 KB)] **IEEE CNF**

---

3 **Inertia-based cut detection technique: a step to the integration of v coding and content-based retrieval**
Tieyan Liu; Xudong Zhang; Desheng Wang; Jian Feng; Kwok-tung Lo;
Signal Processing Proceedings, 2000. WCCC-ICSP 2000. 5th International Conference on , Volume: 2 , 21-25 Aug. 2000
Pages:1018 - 1025 vol.2

[Abstract] [PDF Full-Text (508 KB)] **IEEE CNF**

---

4 **Abrupt shot change detection using an unsupervised clustering of multiple features**
Hun Cheol Lee; Cheong Woo Lee; Seong Dae Kim;
Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 20(

IEEE International Conference on , Volume: 6 , 5-9 June 2000
Pages:2015 - 2018 vol.4

[Abstract] [PDF Full-Text (320 KB)] IEEE CNF

---

5 **Scene abrupt change detection**
Xinying Wang; Zhengke Weng;
Electrical and Computer Engineering, 2000 Canadian Conference on , Volume: 2 , 7-10 March 2000
Pages:880 - 883 vol.2

[Abstract] [PDF Full-Text (256 KB)] IEEE CNF

---

6 **A unified memory based approach to cut, dissolve, key frame and sc analysis**
Aner, A.; Kender, J.R.;
Image Processing, 2001. Proceedings. 2001 International Conference on , Vol 3 , 7-10 Oct. 2001
Pages:370 - 373 vol.3

[Abstract] [PDF Full-Text (320 KB)] IEEE CNF

---

7 **Robust video shot change detection**
Dugad, R.; Ratakonda, K.; Ahuja, N.;
Multimedia Signal Processing, 1998 IEEE Second Workshop on , 7-9 Dec. 199
Pages:376 - 381

[Abstract] [PDF Full-Text (308 KB)] IEEE CNF

Copyright © 2004 IEEE — All rights reserved

h eee e eee g e ch e ch e e c e e e c e

Printed by EAST

UserID: DMariam

Computer: WS07216

Date: 10/15/2004

Time: 10:16

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	IS&R	L1	3818	(382/168,170,172,236,239,268,270,272,274,275,305).CCLS.	USPAT	2004/10/15 09:55			0
2	IS&R	L2	348	(348/700).CCLS.	USPAT	2004/10/15 09:57			0
3	BRS	L3	10433	(scene$1 or shot$1) same (abrupt$2 or sudden$2 or fade$1 or dissolv$3 or gradual$2 or wipe$1 or cut$1 or transition$1)	USPAT	2004/10/15 10:15			0
4	BRS	L4	28	3 same (histogram$5 near10 (differ$5 or variation$1))	USPAT	2004/10/15 10:16			0
5	BRS	L6	15	4 same (criteri$3 or threshold$3)	USPAT	2004/10/15 10:04			0
6	BRS	L7	3	6 same (statistic$5 or deviation or median or mean or averag$3)	USPAT	2004/10/15 10:05			0
7	BRS	L8	5	1 and 4	USPAT	2004/10/15 10:05			0
8	BRS	L9	10	2 and 4	USPAT	2004/10/15 10:05			0
9	BRS	L10	502	(averag$3 or median or mean or (standard adj deviation)) same (histogram$5 near10 (differ$5 or variation$1))	USPAT	2004/10/15 10:07			0
10	BRS	L11	127	10 same threshold$3	USPAT	2004/10/15 10:07			0
11	BRS	L12	28	3 and 4	USPAT	2004/10/15 10:07			0
12	BRS	L13	5	1 and 12	USPAT	2004/10/15 10:07			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
13	BRS	L14	10	2 and 12	USPAT	2004/10/15 10:07			0
14	BRS	L15	10433	(scene$1 or shot$1)same (abrupt$2 or sudden$2 or fade$1 or dissolv$3 or gradual$2 or wipe$1 or cut$1 or transition$1 or break*)	USPAT	2004/10/15 10:15			0
15	BRS	L16	143	1 and 15	USPAT	2004/10/15 10:16			0
16	BRS	L17	118	2 and 15	USPAT	2004/10/15 10:16			0
17	BRS	L18	28	15 same (histogram$5 near10 (differ$5 or variation$1))	USPAT	2004/10/15 10:16			0